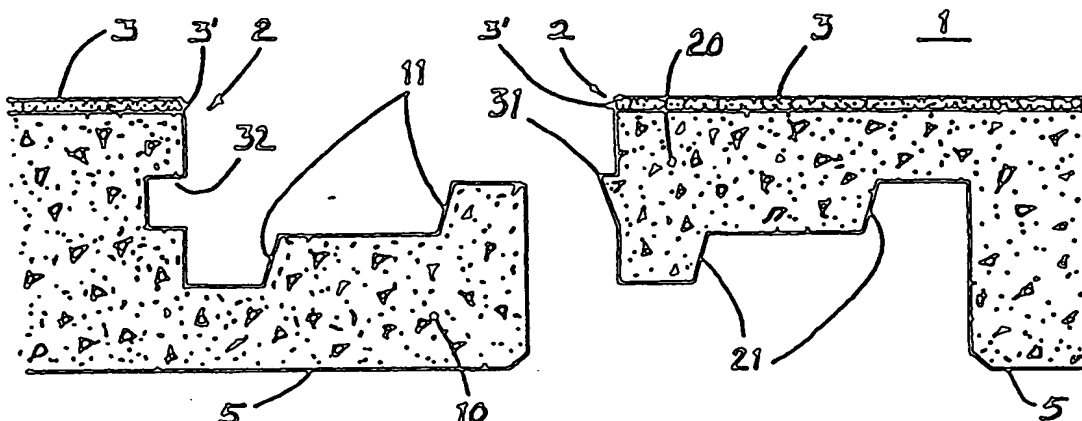




INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : E04F 15/04	A1	(11) International Publication Number: WO 00/47841 (43) International Publication Date: 17 August 2000 (17.08.00)
<p>(21) International Application Number: PCT/SE99/01700</p> <p>(22) International Filing Date: 27 September 1999 (27.09.99)</p> <p>(30) Priority Data: 9900432-7 10 February 1999 (10.02.99) SE</p> <p>(71) Applicant (for all designated States except US): PERSTORP FLOORING AB [SE/SE]; Strandridaregatan 8, S-231 25 Trelleborg (SE).</p> <p>(72) Inventor; and (75) Inventor/Applicant (for US only): MÅRTENSSON, Göran [SE/SE]; Vallby 878, S-231 97 Klagstorp (SE).</p> <p>(74) Agent: STENBERG, Yngve; Perstorp AB, S-284 80 Perstorp (SE).</p>	<p>(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p>Published With international search report. With amended claims.</p>	

(54) Title: FLOORING MATERIAL, COMPRISING BOARD SHAPED FLOOR ELEMENTS WHICH ARE INTENDED TO BE JOINED VERTICALLY



(57) Abstract

Flooring material including floor boards (1) with an essentially square, rectangular or rhomboidal shape. The floor boards (1) are provided with edges (2), a horizontal lower side (5) and a horizontal decorative upper surface (3). The floor boards (1) are provided with lower joining lips (10) at two adjacent edges (2) while the two remaining edges (2) are provided with upper joining lips (20). The lower joining lips (10) are provided essentially vertical lower lip surfaces (11) arranged parallel to the closest edge (2). The lower lip surfaces (11) are intended to interact with mainly vertical upper lip surfaces (21) arranged on the upper joining lips (20). Two joined adjacent floor boards (1) are hereby locked together in a horizontal direction. The joining lips (10 and 20 respectively) are furthermore provided with one or more heels (31) intended to snap join with recesses (32) adapted thereto which, by being provided with essentially horizontal locking surfaces, limits vertical movement between two joined adjacent floor boards (1).